FEB 1952 51-4AA

CENTRAL INTELLIGENCE AGENCY

| | | | ECURITY INFORMAT | ION | | | | |
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| | | INFOR | BEATION | DEDART | | | | |
| | | INFUK | MATION I | KEPUKI | REPORT | | | |
| | | | | . 16 | CD NO. | | | |
| OUNTRY | East German | ıy | | V C | DATE DI | STR. 15 | Decem | ber 1952 |
| UBJECT | Oils Produc | ed at Leuna | 10/1/ | | NO. OF I | | 2 | |
| | | <u> </u> | , y | . K | | | | |
| ATE OF NFO. | | | CIRCUI | W. | NO. OF E | NCLS. | | 50X1-H |
| LACE CQUIRED | | | Clfre | | SUPPLE REPORT | | | |
| ATION OF ITS CO | U.S. CODE, AS AMENDED. I NTENTS TO OR RECEIPT BY A W. THE REPRODUCTION OF | N UNAUTHORIZED PERSON IS | | IS IS UNEVA | ALOATED II | NFU50X1 | | 50X1-HU |
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| 1. | In the | process of pro | | oils from used | higher a | lcohols | and a | dipic ac 50X1-H |
| 1. | In the | | | used | | | | 50X1-H |
| 1. | In the | al | were those | usedwith carb | on chains | of C-6 | to C- | 50X1-H |
| 1. | | al | cohols | usedwith carb | on chains | of C-6 | to C- | 50X1-H |
| 1. | point | the alcohol | were those | with carb | on chains | of C-6 | to C- | 50X1-H |
| | point | the alcohol 145-163C. the process | were those s used were of manufacture | with carb | on chains | of C-6 | to C- | 50X1-H 9. n, boili |
| 2. | point | the alcohol | were those s used were of manufacture | with carb | on chains | of C-6 | to C- | 50X1-H 9. n, boili |
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| 2 mm | | | | |
| production not go | ted for about he The ester oils tion of these od for the ster | art of the plant m half of the ester o s were known as Lew oils was stopped in am turbines in the | il production of na I oils. The 1947 as they were plant due to ease | |
| result | ing corrosion of these oils were | caused by the free a | or ether aeroplane | 50X |
| motors motors Althou | because of its | chlorinated oil was s value as a high bi inated oils were od | s used in aeroplane ressure lubricant. | |
| reworke other | tter, as the aer od after about and good turbi | replane engines were 70 hours of flying ine cils ran from 2- and therefore must | time. On the | |
| J | | x | | |
| use. | | the oil showed] | little change with | |
| | | | | |
| about 1 | .40. | this oil has a lon | w viscosity number | |
| | | | | 50 |
| | | | | |
| at 50 C | and 1.7 Engle | r at 100 C | about 4-5 Engler | |
| V1SC681 | ty index at ab | out 0.8. | + 1,2 - 1,2 | |
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| |) | developed at Leuna ant turbines. It w | ras designed to | |
| replace | use in the pl the unsatisfa- intended for | ctory ester oils (L turbojet aircraft. | chlerine | 50X1-HL |
| replace | use in the pl the unsatisfa- intended for | ctory ester oils (L | chlerine | 50X1-HL |
| oil for replace was not and-sul | use in the pl the unsatisfa intended for fur-containing | ctory ester oils (L turbojet aircraft. | chlorine aircraft. | 50X1-Hl |

without catalysts. The spindle oil was obtained by fractionating petroleum obtained from Lützkendorf or from synthetic eil made at Schkopau. the viscosity of the 2-A oil was about 5 to 5.5 Engler at 50 C.

50X1-HUM

The .2-A oil was made only for plant use and the production may have been about 20-30 times a year.

turbine oil production at Leuna may have been about 1-10 per month of Lutzkendorf oil and about helf that amount of Schkopau oil. Both of these oils were inferior to the 2-A oil.

50X1-HUM

Control of the Contro